

## **16th Street and Camelback**

### **Boundaries:**

The site is bounded approximately by Medlock Drive to the north, 17th Street to the east, Highland Avenue to the south, and 14th Place to the west.

### **Site History:**

- A consent decree was agreed upon in January 1994, between Bank One and ADEQ. Bank One paid a settlement to ADEQ to be used for the investigation and clean up of the property. Six monitor wells were installed.
- In 1995, ADEQ conducted a soil vapor survey. Tetrachloroethene (PCE) concentrations were detected in soil from 1.3 to 2.3 micrograms per liter (F g/l).
- In 1996, ADEQ installed four additional permanent groundwater monitoring wells and four temporary groundwater well points.
- The site was added to the WQARF Registry on April 21, 1999 with an eligibility and evaluation (E&E) score of 23 out of a possible 120.
- ADEQ continued groundwater monitoring and sampling from 1996 to the present.
- In May 2002, ADEQ began an early response action (ERA) at the site. The ERA was designed to provide source control and remediate the PCE groundwater contamination.

### **Site Status:**

- In January 2003, ADEQ installed two vapor extraction wells, one sparge point, and two observation wells. A pilot study was conducted to determine the feasibility of installing a vapor extraction/air sparge remediation system.
- In April 2003, ADEQ received the results from the pilot study and requested that an ERA completion report be prepared. The results of the pilot study indicated that installation of a remediation system at the site is not feasible or cost effective.
- ADEQ is currently in the process of preparing an ERA completion report. Groundwater monitoring of the well network will continue at the site.
- The current highest concentration of PCE in groundwater at the site is 92 F g/l based on the March 2003 sampling event. The current highest concentration of 1,2-DCA at the site is 17 F g/l in well MW-8. In June 2001 the concentrations of 1,2-DCA and 1,2-DCP were 320 F g/l and 14 F g/l, respectively in well MW-3. However, a groundwater sample has not been collected from well MW-3 since June 2001 because of a drop in water levels. The aquifer water quality standards for PCE, 1,2-DCP, and 1,2-DCA is 5 F g/l.

**Site Hydrogeology:**

- According to data collected from Salt River Project (SRP), the regional groundwater flow direction beneath the site has changed from southwest (1948, 1953), to northeast (1960, 1973), to northwest (1968), and to the west (1978). The direction of groundwater as of December 2002 was N 84°E at a gradient ranging between .0024 ft/ft in the south to 0.0046 ft/ft in the north.
- The current depth to groundwater beneath the site is approximately 71 feet below ground surface. The groundwater elevation has decreased an average of 2.14 feet from June 2001 to March 2003.

**Contaminants:**

The site is divided into a northern and a southern portion. The current contaminants of concern in groundwater include PCE at the northern portion of the site and 1,2-DCP and 1,2-DCA in the southern portion of the site. Contaminants of concern at the site may change as new data become available.

**Public Health Impact:**

No one is known to be at risk of exposure to these contaminants. The contaminated groundwater is not used for drinking water purposes. Drinking water provided by the city of Phoenix is tested regularly to ensure that it meets all state and federal water quality standards.

**Community Involvement Activities:**

A community advisory board will be formed when a remedial investigation is initiated at this site.

**Information Repository:**

Interested parties can review site information at the ADEQ main office located at 1110 West Washington Street, Phoenix. Site information is available for review Monday through Friday from 8 a.m. to 5 p.m. To arrange for a time to review the public site file, please call the ADEQ Records Center (602) 771-4378 or (800) 234-5677 (Arizona toll free).

**Contacts:**

Name	Phone/Fax	Email
Samantha Roberts, ADEQ Project Manager	(602) 771-7655*/ (602) 771-4272	roberts.samantha@ev.state.az.us
Monica Mascareno, ADEQ Community Involvement Coordinator	(602) 771-4710*/ (602) 771-4272	mascareno.monica@ev.state.az.us

\*In Arizona, but outside the Phoenix area, call toll-free at (800) 234-5677.